FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: 614.1009	SERIAL NO.: 09/883,842
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		FILING DATE: June 18, 2001	GROUP: 1615

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							YES	NO
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BF	AC	R. K. Jain, The next frontier of molecular medicine: Delivery of therapeutics, Nature Medicine Vol. 4: Number 6: 655-657 (1998).
BF	AD	O. García, R.M. Trigo, M. Dolores Blanco and J. M. Teijón, Influence of degree of crosslinking on 5-fluorouracil release from poly(2-hydroxyethyl methacrylate) hydrogels, Biomaterials, Vol. 15: Number 9: 689-694 (1994).
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BF	AC	T.G. Burke, A.K.Mishra, M.C.Wani, and M.E.Wall, Lipid bilayer partitioning and stability of camptothecin drugs, Biochemistry 32:5352-5364 (1993).
	AD	B. B. Lundberg. Biologically active camptothecin derivatives for incorporation into liposomes bilayers and lipid emulsions, Anticancer Drug Des., 13:453-461 (1998).
	AE	S.M. Sugarman, Y. Zou, K. Wasan, K. Poirot, R. Kumi, S. Reddy, and R. Perez-Soler, Lipid-complexed camptothecin: formulation and initial biodistribution and antitumor activity studies, Cancer Chemother. Pharmacol. 37:531-538 (1996).
	AF	B. Ertl, P. Platzer, M. Wirth, and F. Gabor, Poly(D,L-lactic-co-glycolic acid) microspheres for sustained delivery and stabilization of camptothecin, J. Control Release 61:305-317 (1999).
	AG	R. Cortesi, E. Esposito, A. Maietti, E. Menegatti, and C. Nastruzzi, Formulation study for the antitumor drug camptothecin: liposomes, micellar solutions and a microemulsion, Int.J.Pharm. 159:95-103 (1997).
	AH	Y. Sadzuka, S. Hirotsu, and S. Hirota. Effect of liposomalization on the antitumor activity, side-effects and tissue distribution of CPT-11, Cancer Lett., 127:99-106 (1998).
	AI	S.C. Yang, L.F. Lu, Y. Cai, J.B. Zhu, B.W. Liang, and C.Z. Yang. Body distribution in mice of intravenously injected camptothecin solid lipid nanoparticles and targeting effect on brain, J. Control. Release, 59:299-307 (1999).
	AJ	S.C. Yang and J.B. Zhu. Preparation and characterization of camptothecin solid lipid nanoparticles, Drug Dev. Ind. Pharm,n 28:265-274 (2002).
	AK	C.D.Conover, A. Pendri, C.Lee, C.W. Gilbert, K.L. Shum, and R.B. Greenwald, Camptothecin delivery systems: the antitumor activty of a camptothecin-20-0-polyethylene glycol ester transport form, Anticancer Res. 17:33613368 (1997).
	AL	C.D.Conover, R.B. Greenwald, A. Pendri, C.W. Gilbert, and, K.L. Shum, Camptothecin delivery systems: enhanced efficacy and tumor accumulation of camptothecin following its conjugation to polyethylene glycol via a glycine linker, Cancer Chemother.Pharmacol. 42:407-414 (1998).
	AM	C.D.Conover, R.B. Greenwald, A. Pendri, and, K.L. Shum, Camptothecin delivery systems: the utility of amino acid spacers for the conjugation of camptothtecin with polyethylene glycol to create prodrugs, Anticancer Drug Des 14:499-506 (1999).
BF	AN	V.R. Caiolfa, M. Zamai, A. Fiorino, E. Frigerio, C. Pellizzoni, R.d'Argy, A. Ghiglieri, M.G. Castelli, M. Farao, E. Present, M. Gigli, F. Angelucci, and A. Suarato, Polymer-bound camptothecin: initial biodistribution and antitumor activity studies, J. Control Release 65:105-119 (2000).

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							YES	NO
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BF	BC	J.W. Singer, P.De Vries, R. Bhatt, J. Tulinsky, P. Klein, C. Li, L. Milas, R.A. Lewis, and, S. Wallace, Conjugation of camptothecins to poly-(L-glutamic acid), Ann.N.Y.Acad.Sci. 922:136-150 (2000).
	BD	J.W. Singer, R. Bhatt, J. Tulinsky, K.R. Buhler, E. Heasley, P. Klein, and P. De Vries, Water-soluble poly-(L-glutamic acid)-Gly-camptothecin conjugates enhance camptothecin stability and efficacy in vivo, J. Control Release 74:243-247 (2001).
	BE	P.Tardi, E.Choice, D.Masin, T.Redelmeier, M.Bally, and T.D.Madden, Liposomal encapsulation of topotecan enhances anticancer efficacy in murine and human xenograft models, Cancer Res. 60:3389-3393 (2000).
	BF	F.J. Sharom, The P-glycoprotein efflux pump: how does it transport drugs?, J. Membr.Biol. 160:161-175 (1997).
	BG	S.H. Jang, M.G. Wientjes, D. Lu, and J.L. Au., Drug delivery and transport to solid tumors, Pharm. Res., 20:1337-1350 (2003).
	BH	A.S. Hoffman, Hydrogels for biomedical applications, Advanced Drug Delivery Reviews, 43:3-12 (2002).
	BI	S.W. Kim, Y.H. Bae, and T. Okano, Hydrogels: swelling, drug loading, and release, Pharm.Res. 9:283-290 (1992).
	BJ	N.A.Peppas, P. Bures, W. Leobandung, and H. Ichikawa, Hydrogels in pharmaceutical formulations, Eur.J.Phar.Biopharm. 50:27-46 (2000).
	BK	R. J. Stenekes, A. E. Loebis, C.M. Fernandes, D.J. Crommelin, and W. E. Hennink. Degradable dextran microspheres for the controlled release of liposomes, Int. J. Pharm., 214:17-20 (2001).
	BL	K.S. Anseth, A.T. Metters, S.J. Bryant, P.J. Martens, J.H. Elisseeff, and C.N. Bowman, In situ forming degradable networks and their application in tissue engineering and drug delivery, J. Control Release 78:199-209 (2002).
	BM	X. Huang and C.S. Brazel, On the importance and mechanisms of burst release in matrix-controlled drug delivery systems, J. Control Release 73:121-136 (2001).
	BN	R. Jeyanthi, B. Nagarajan, and K. P. Rao. Solid tumour chemotherapy using implantable collagen-poly (HEMA) hydrogel containing 5-fluorouracil, J. Pharm. Pharmacol., 43:60-62 (1991).
	BO	C.J. de Groot, J.A. Cadee, J.W. Koten, W.E. Hennink, and W. den Otter. Therapeutic efficacy of IL-2-loaded hydrogels in a mouse tumor model, Int.J. Cancer, 98:134-140 (2002).
BF	BP	M. St'astny, D. Plocova, T. Etrych, K. Ulbrich, and B. Rihova. HPMA-hydrogels result in prolonged delivery of anticancer drugs and are a promising tool for the treatment of sensitive and multidrug resistant leukaemia, Eur. J. Cancer, 38:602-608 (2002).

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							YES	NO
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BF	CC	K.H. Bouhadir, E. Alsberg, and D.J. Mooney. Hydrogels for combination delivery of antineoplastic agents, Biomaterials, 22:2625-2633 (2001).
	CD	H. Okino, Y. Nakayama, M. Tanaka, and T. Matsuda, In situ hydrogelation of photocurable gelatin and drug release, J. Biomed.Mater.Res. 59:233-245 (2002).
	CE	N.A. Peppas, K.B. Keys, M. Torres-Lugo, and A.M. Lowman, Poly(ethylene glycol)-containing hydrogels in drug delivery, J. Control Release 62:81-87 (1999).
	CF	O. Garcia, M.D. Blanco, J.A. Martin, and J.M. Teijon, 5-Fluorouracil trapping in poly(2-hydroxyethylmethacrylate-co-acrylamide) hydrogels: in vitro drug delivery studies, Eur.Polymer Journal 36:111-122 (2000).
	CG	J.A. Cadee, C.J. de Groot, W. Jiskoot, W. den Otter, and W.E. Hennink, Release of recombinant human interleukin-2 from dextran-based hydrogels, J. Control Release 78:1-13 (2002).
	CH	W.E. Hennink, O. Franssen, W.N.E. van Dijk-Wolthuis, and H. Talsma, Dextrans hydrogels for the controlled release of proteins, J. Control Relase 48:107-114 (1997).
	CI	M. Sen and A. Yakar, Controlled release of antifungal drug terbinafine hydrochloride from poly(N-vinyl 2-pyrrolidone/itaconic acid) hydrogels, Int.J.Pharm. 228:33-41 (2001).
	CJ	V.Subr, R.Duncan, and J.Kopecek, Release of macromolecules and daunomycin from hydrophilic gels containing enzymatically degradable bonds, J.Biomater.Sci.Polym.Ed 1:261-278 (1990).
	CK	E.Ruel-Gariepy, G.Leclair, P.Hildgen, A.Gupta, and J.C.Leroux, Thermosensitive chitosan-based hydrogel containing liposomes for the delivery of hydrophilic molecules, J.Control Release 82:373-383 (2002).
	CL	A. Paavola, I.Kilpelainen, J. Yliruusi, and P.Rosenberg, Controlled release injectable liposomal gel ibuprofen for epidural analgesia, Int.J.Pharm. 199:85-93 (2000).
	CM	A.Bochot, E.Fattal, A.Gulik, G.Couarraze, and P.Couvreaur, Liposomes dispersed within a thermosensitive gel: a new dosage form for ocular delivery of oligonucleotides, Pharm.Res. 15:1364-1369 (1998).
BF	CN	R.J. Stenekes, A.E. Loebis, C.M. Fernandes, D.J. Crommelin, and W.E. Hennink. Controlled release of liposomes from biodegradable dextran microspheres: a novel delivery concept, Pharm. Res., 17:690-695 (2000).

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BF	DC	N.O. Dhoot and M.A. Wheatley. Microencapsulated liposomes in controlled drug delivery: strategies to modulate drug release and eliminate the burst effect, J. Pharm. Sci., 92:679-689 (2003).
	DD	S.Vemuri and C.T.Rhodes, Preparation and characterization of liposomes as therapeutic delivery systems: a review, Pharm.Acta Helv. 70:95-111 (1995).
	DE	A. Sharma and U.S.Sharma, Liposomes in drug delivery: progress and limitations, Int.J.Pharm. 154:123-140 (1997).
	DF	P.Crosasso, M.Ceruti, P.Brusa, S.Arpicco, F.Dosio, and L.Cattel, Preparation, characterization and properties of sterically stabilized paclitaxel-containing liposomes, J.Control Release 63:19-30 (2000).
	DG	A.Sharma and R.M.Straubinger, Novel taxol formulations: preparation and characterization of taxol-containing liposomes, Pharm.Res. 11:889-896 (1994).
	DH	S.B.Kulkarni, G.V.Betageri, and M.Singh, Factors affecting microencapulation of drugs in liposomes, J.Microencapsul. 12:229-246 (1995).
	DI	S.Vemuri and C.T.Rhodes, Development and characterization of a liposome preparation by a pH-gradient method, J.Pharm.Pharmacol. 46:778-783 (1994).
	DJ	L.D.Mayer, L.C.Tai, M.B.Bally, G.N.Mitilenes, R.S.Ginsberg, and P.R.Cullis, Characterization of liposomal systems containing doxorubicin entrapped in response to pH gradients, Biochim.Biophys.Acta 1025:143-151 (1990).
	DK	D.B.Fenske, K.F.Wong, E.Mauer, N.Maurer, J.M.Leenhouts, N.Boman, L.Amankwa, and P.R.Cullis, Ionophore-mediated uptake of ciprofloxacin and vincristine into large unilamellar vesicles exhibiting transmembrane ion gradients, Biochim.Biophys.Acta 1414:188-204 (1998).
	DL	S.Clerc and Y.Barenholz, Loading of amphipathic weak acids into liposomes in response to transmembrane calcium acetate gradients, Biochim.Biophys.Acta 1240:257-265 (1995).
	DM	T.Lian and R.J.Ho, Trends and developments in liposome drug delivery systems, J.Pharm.Sci. 90:667-680 (2001).
	DN	H. Talsma and D.J.A. Crommelin, Liposomes as drug delivery systems, Part II: Characterization, Pharm. Tech., 52-58 (1992).
	DO	H. Talsma and D.J.A.Crommelin, Liposomes as drug delivery systems, Part III: Stabilization, Pharm. Tech., 48-59 (1993).
	DP	D. Subramanian and M.T. Muller, Liposomal encapsulation increases the activity of the topoisomerase I inhibitor topotecan, Oncol.Res. 7:461-469 (1995).
BF	DQ	B. Qiu, S. Stefanos, J. Ma, A. Lalloo, B.A. Perry, M.J. Leibowitz, P.J. Sinko, and S. Stein, A hydrogel prepared by in situ cross-linking of a thiol-containing poly(ethylene glycol)-based copolymer: a new biomaterial for protein drug delivery, Biomaterials 24:11-18 (2003).

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